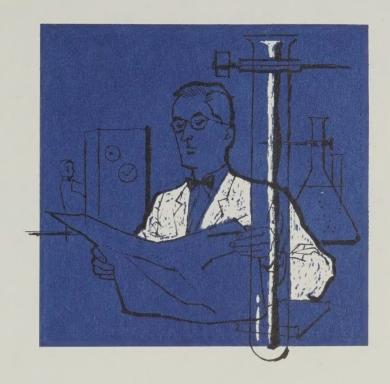
The Canada Iron Companies







The Canada Iron Family

Created to meet the needs of an expanding industrial Canada, the Canada Iron Companies form an integrated family of manufacturing and distributing organizations. Together, they constitute one of the largest, most diversified and entirely Canadian industrial concerns. Each company has earned a fine reputation in its own right and all together they offer a complementary service unique in Canada.

Canada Iron Foundries, Limited is both the parent company and an operating company. It owns ten other companies, has nineteen large plants and numerous sales offices and warehouses in major Canadian centres. With these manufacturing and sales facilities it can serve the needs of virtually all the nation's primary and secondary industries and public utilities.

More than a thousand different iron, steel and concrete products are manufactured or sold by the Canada Iron Companies for railroads, aircraft, ships, trucks, waterways, electric power stations, mines, refineries, steel mills, paper mills and other enterprises. Buildings and bridges, hospitals, schools, supermarkets, factories and other complex structures are fabricated and erected by company members of this nation-wide industrial family. Canada Iron's large and varied facilities, its depth of engineering experience and its knowledge and use of modern technological methods, are important factors contributing to the growth and development of Canadian industry.

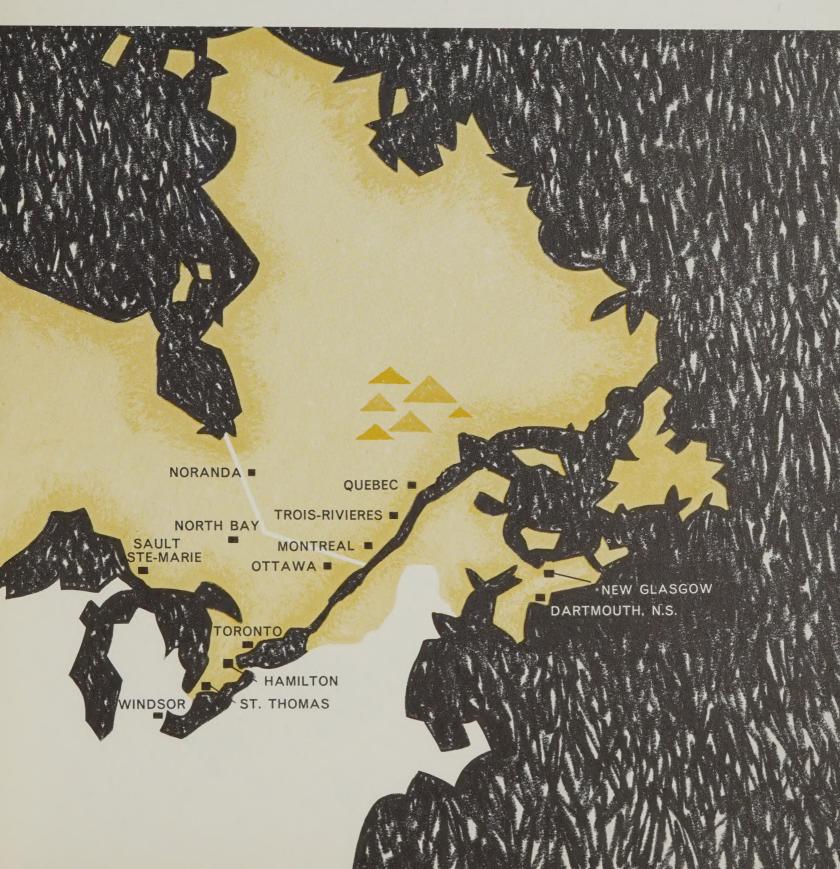
Sound, planned expansion has been the watchword of this twentieth century Canadian industry.

The Canada



Iron Companies

WITH PLANTS, SALES OFFICES AND WAREHOUSE SERVICES COAST TO COAST





OR IRON, 25 BEAVER SKINS

The origins of Canada Iron go an amazingly long way back in history for a North American company. Very few organizations on this continent can trace their ancestry in a straight line to the early part of the eighteenth century, report a consistent and continuing interest in the processing and fabricating of a single mineral and recall having sold its product under Royal auspices for a packet of beaver skins.

More than two centuries before the discovery and development of the vast iron ore resources of Labrador and Ungava, the predecessors of Canada Iron were operating a blast furnace near Trois Rivières in New France. The year was 1737; King Louis XV was the ruling monarch of France and his Royal consent was required before the manufacture of Canadian iron could begin. The blast furnace was the first in the New World, and was known to the populace as Les Forges de St. Maurice.

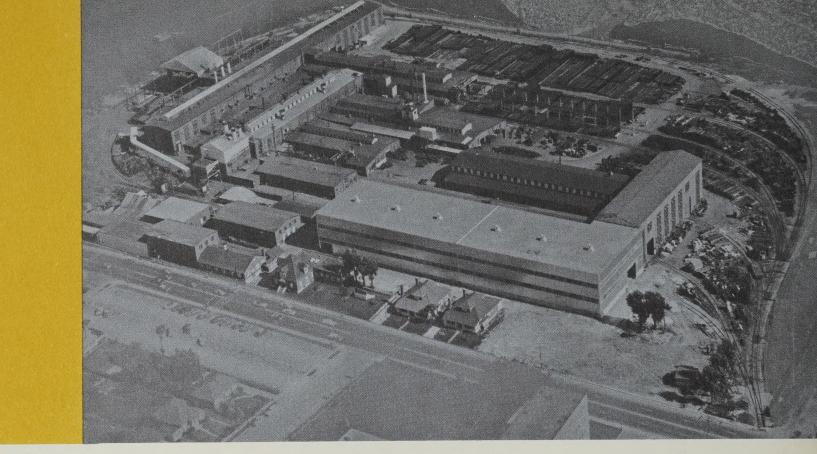
In 1737, the industrial age was still a long way off. The economy of New France was based on fish and furs and a minimum of agriculture. The Trois Rivières iron foundry was soon bankrupt. But iron was important, if not to trade at least to the waging of colonial war, and the French Government took possession of the blast furnace, imported skilled workmen from Sweden and soon had the St. Maurice Forges in business again. A government inspector reported that 180 men were employed there and that the establishment which formerly "found its iron on the spot must now send some distance for it. This iron," he continued, "is preferred to the Spanish iron and is sold off at the King's stores in Quebec at the rate of 25 to 30 beaver skins per hundred weight."

Production of iron at Trois Rivières has been continuous ever since. When New France fell in 1760, the British Crown took over from the King of France and operated *les forges* until 1846 when private interests once again acquired control. These private owners established new forges and rolling mills at nearby Radnor and built the country's first car wheel factory at Trois Rivières.

In 1889, the Canadian Iron Furnace Company Limited purchased the Radnor Forges and extensive property holdings. A modern furnace was quickly constructed to meet the increasing demand for charcoal pig iron. In 1909, the company amalgamated with others in related fields and The Canada Iron Corporation Limited came into being. In 1915, a corporate reorganization took place and the company emerged with the new and present name of Canada Iron Foundries, Limited.

Gradually, over the years, management attracted and absorbed ten other companies in related fields. Each of these today operates under its own management, contributing to and drawing from the parent company whose roots go back to the earliest days and to the first heavy industry in North America.



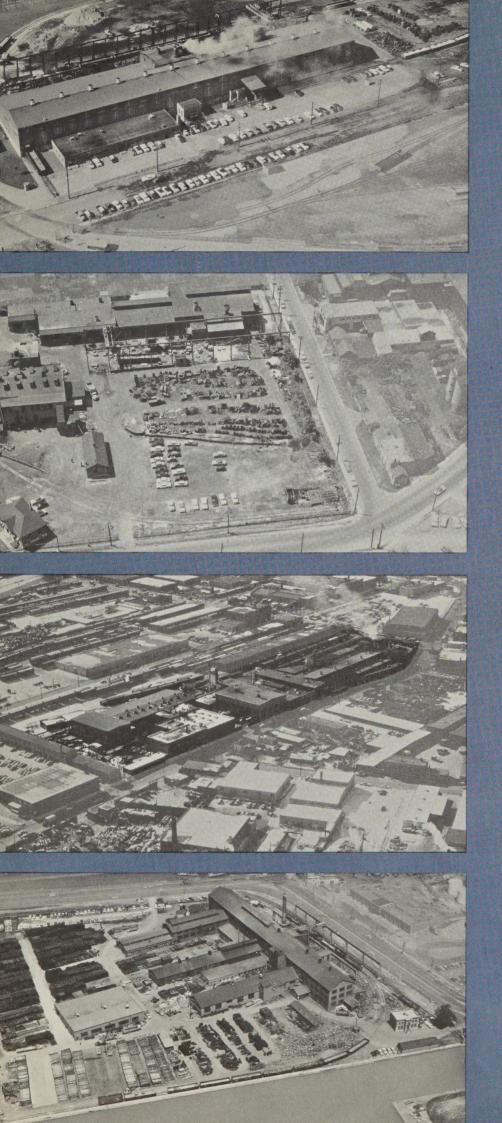


The Trois Rivières plant of Canada Iron Foundries produces cast iron pipe and fittings, municipal castings, brake shoes, heavy general castings and a wide range of machinery.

EXPERIENCE, EQUIPMENT AND SKILL

Serving Canadian industry since its beginning, Canada Iron Foundries has had long experience in the manufacture of cast iron pipe, railway wheels, gray iron and alloy castings, as well as all types of machinery. This veteran company has modern facilities and equipment to meet the most complex demands of twentieth century industry in plants located in six Canadian Cities—Trois Rivières, Toronto, Hamilton, St. Thomas, New Glasgow and St. Boniface.

Skilled engineers, master mechanics and foundry technicians are responsible for the high standard maintained at all Canada Iron Foundries plants. Their work is assisted by the modern technical control system at operation sites and by the testing and supervision carried on in the company's chemical, metallurgical, physical and sand laboratories located in each plant. All Canada Iron Foundries' manufacturing processes, from engineering to foundry and machine shop, employ the most modern and effective means to ensure the production of high quality products.



Hamilton Burlington Street plant is exclusively engaged in production of ingot moulds, in many types and sizes.

Hamilton Special Products plant produces Ductile, Domite CM, Ni Resist, Ductile Ni Resist and Ni Hard alloy irons.

Toronto Eastern Avenue plant produces gray, alloy and Ductile iron castings and machinery.

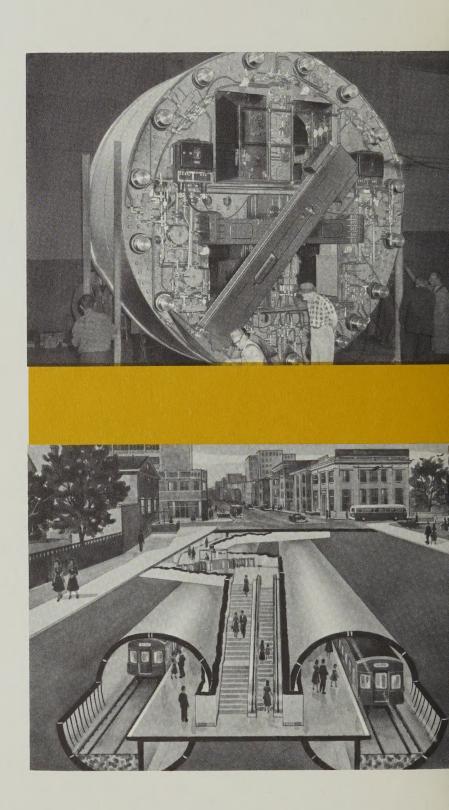
Toronto Cherry Street plant produces cast iron pipe, fittings and municipal castings.

SHIELDS

AND LINERS

FOR THE SUBWAY

Traditional supplier of many specialized products for municipal services, Canada Iron Foundries, machinery and foundry divisions, secured the contract to produce four tunnel and two station shields and the cast iron liners for Toronto's new Bloor-Danforth-University underground. The shields protect the workmen as they excavate the face of the tunnel. The rubble is cleared through the shield and conveyed to the surface. As the tunnel face is enlarged the shield is moved forward by its own hydraulic jacks, at which point the erector arm of the shield places the cast iron liners in position to form the tunnel wall. Fifty-two thousand liners, weighing approximately 22,000 tons, are required for the project.



CAST IRON PRODUCTS FOR MUNICIPALITIES



Cast iron pipe leaving the Toronto pipe plant for delivery to a municipality.

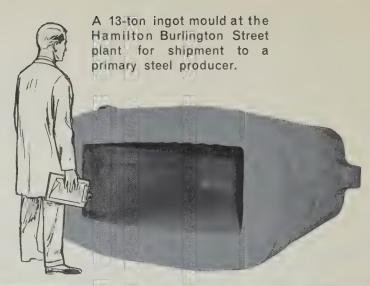
Hydrants as well as fittings and municipal castings are produced by the foundry division.



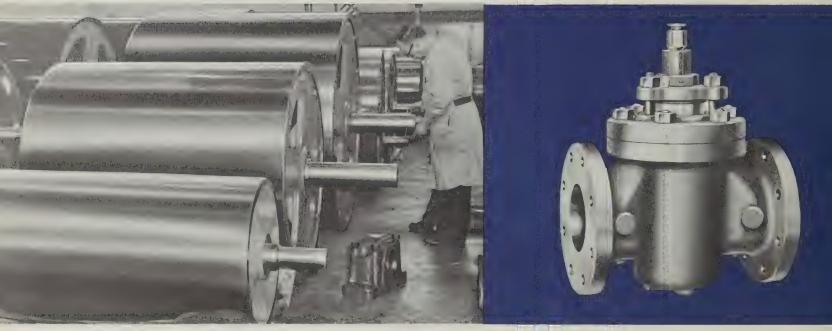
A 5400-ton shipment of cast iron water pipe manufactured at the Trois Rivières plant for export to South America.



A complete line of cast iron sluice gates, as well as screens, clarifiers and miscellaneous sewage treatment equipment are manufactured by the foundry division.

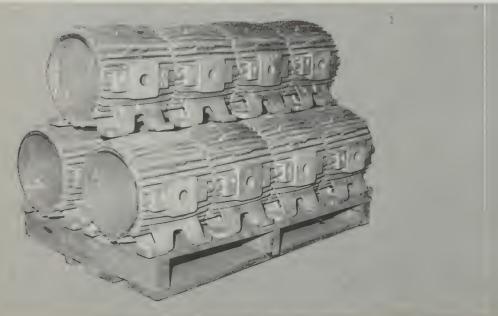


PRODUCTS FOR INDUSTRY



Final inspection of ductile (nodular) type 8-60-03 rolls before shipment to a steel mill.

A Walworth lubricated plug valve, manufactured and sold under license by Canada Iron Foundries.

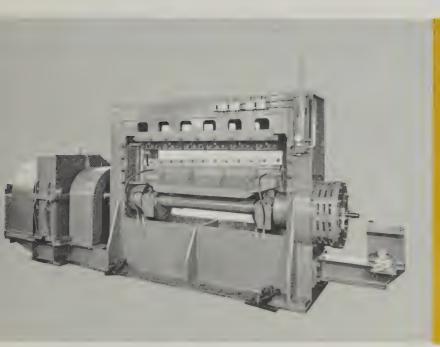






Typical chilled iron railway wheel made by the foundry division at the St. Boniface, New Glasgow and St. Thomas plants for Canadian and United States railroads.

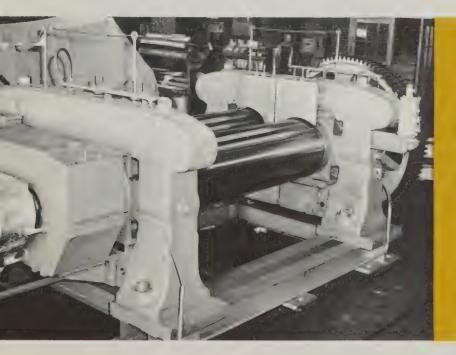
MACHINES FOR INDUSTRY



An up-cut shear for a five foot wide galvanizing line, made for a primary steel producer.



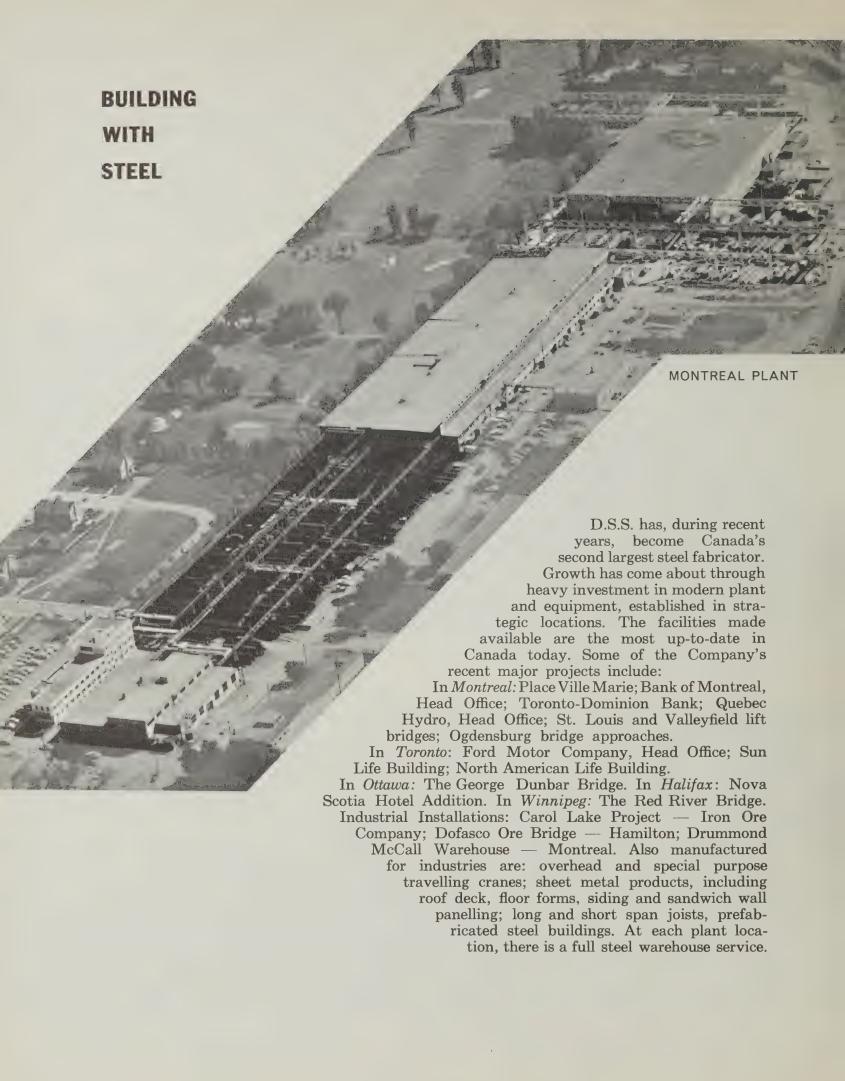
A 72" diameter, sliding frame hot saw built by the machinery division for a steel producer.



An 84" wide rubber mill manufactured by the machinery division for a Canadian rubber company.



A 2,200-ton Loewy oil hydraulic, self-contained extrusion press built for the Baldwin-Lima-Hamilton Corporation.





TORONTO PLANT

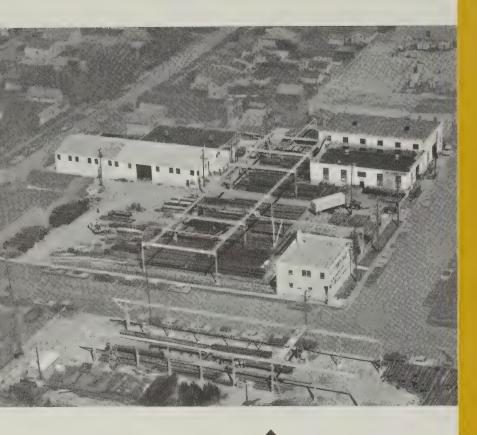
DARTMOUTH PLANT





OTTAWA PLANT

WINNIPEG PLANT



Calgary Structural Steel Ltd. plant, Calgary, Alberta.

C. W. Carry Ltd. plant, Edmonton, Alberta.



STEEL IN THE PRAIRIES TO SERVE THE PRAIRIES

C. W. Carry Ltd., was founded in Edmonton, Alberta, in 1945. Under the expanding Canadian economy it became necessary in 1955 to form Calgary Structural Steel Ltd., so as between them to adequately serve the Alberta and Saskatchewan structural steel market. In 1958, both companies were purchased by Canada Iron Foundries.

Among the structures fabricated and erected by these two companies have been: The Milner Building, Edmonton; Edmonton International Airport; Medical Arts Building, University of Alberta; The Arts Building, University of Saskatchewan; Potash Building, International Minerals and Chemical Corporation; Plate Girder Bridge, Meadow Lake, Saskatchewan; R.C.A.F. Refueling Station, Cold Lake, Alberta; Y.M.C.A. Building Edmonton; addition to Inland Cement Building, Edmonton; St. Andrew's College Addition, Saskatoon.



STEEL PRODUCTS AND SERVICES FOR BRITISH COLUMBIA INDUSTRIES

For more than 30 years Western Bridge and Steel Fabricators Limited has been serving and expanding with the economy of B.C. and Western Canada. Located on Vancouver's waterfront it can ship steel by road, rail and water direct from the plant to all areas. As one of the Canada Iron Companies since 1958, it has successfully served the telephone, pulp and paper, mining, bridge construction and shipbuilding industries in Western Canada. It is the principal transmission tower fabricator in the West, with its own galvanizing facilities.

The record of its achievements in the vast mountainous region in which it operates includes a 1000 mile micro-wave tower line up the Alaska Highway and a 385 K.V. transmission line serving the Kitimat plant of the Aluminum Company of Canada. Many bridges have been built including the Agassiz — Rosedale, Granville, Port Mann, Chilcotin and Kamloops in B.C.; the Pelly and Stewart bridges in the Yukon; other projects include the Macdonald Hotel in Edmonton; gates, cranes and power stations for B.C. Electric. Tanks and pressure vessels are also produced.



Place Ville Marie in Montreal has as its heart this 42-story cruciform building for which a large part of the steel was fabricated and erected by D.S.S.

Structural steel for the Britannia Building, Calgary, Alta., was fabricated and erected by Calgary Structural Steel Ltd.

The steel for the Milner Building, Edmonton, Alta., was fabricated and erected by C.W. Carry Ltd.

D.

For the Toronto-Dominion Bank building in Montreal, D.S.S. fabricated and erected the structural steel.

This unique concrete pouring Gantry Crane was manufactured by D.S.S. It has a 15 ton capacity, is 30 feet high with a 50 foot span.









B.

D.



LANDMARKS ACROSS CANADA

Canada Iron structural steel companies are fabricating and erecting landmarks for Canadians across the country, in the form of commercial and industrial buildings, industrial equipment and bridges of all descriptions. On these two pages are illustrated some of the many projects recently undertaken.

These photos show how steel contributes to the beauty, strength and economy to be found in present day structures.

Α.

The new Lynn Creek Bridge erected in North Vancouver by Western Bridge and Steel Fabricators Limited.

B.

One of two vertical, mechanical lift span bridges fabricated and erected by D.S.S. for the St. Lawrence Seaway.

C.

Taymar 20 ton crane designed and manufactured by D.S.S. with mechanism produced by Canada Iron's Machinery Division and motors supplied by Tamper Ltd.

D.

Western Bridge and Steel Fabricators Limited fabricated the structural steel for the Agassiz-Rosedale bridge, B.C.





B.



C



D.



Canadian head office of the Ford Motor Company of Canada, Toronto steel fabricated and erected by D.S.S.



Toronto Plant, Pressure Pipe Limited.

VERSATILITY IN CONCRETE

Pressure Pipe Limited, founded by Canada Iron in 1931, has become one of Canada's leading manufacturers of concrete products. The company is the country's largest producer of reinforced concrete pressure pipe, manufactured to A.W.W.A. Specifications, in diameters of 14" and over. It is also a large supplier of concrete sewer and culvert pipe.

The company also manufactures quality concrete products for the building construction industry, the principal ones being: concrete blocks, Haydite masonry units and prestressed concrete structural shapes.



Montreal Plant, Pressure Pipe Limited.



Collector sewer of 96-inch diameter Prescon reinforced concrete pipe.



An installation of Hyprescon reinforced concrete pressure pipe, 42-inch diameter.



Subaqueous reinforced concrete pressure pipe used as an intake pipe and extending one half mile under water.



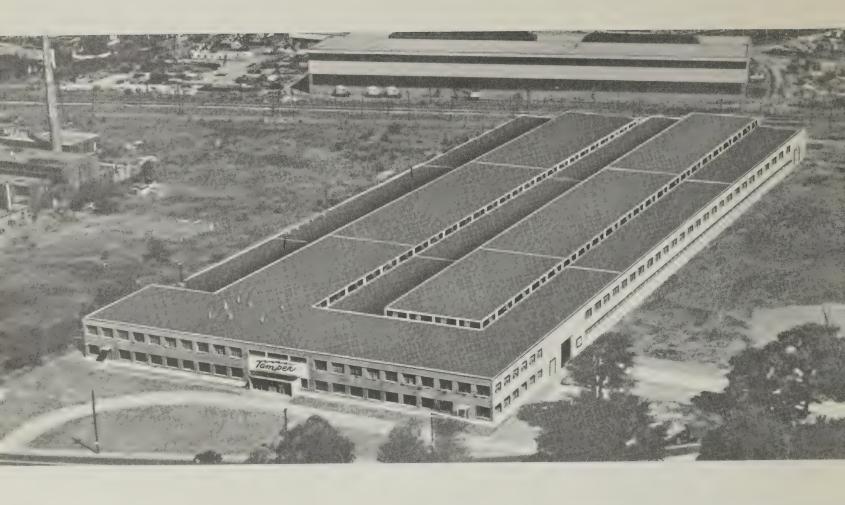
Presco prestressed concrete single tee slabs are designed to support heavy loads over long spans.



Presco prestressed concrete double tee slabs form the modern roof and ceiling of this building.



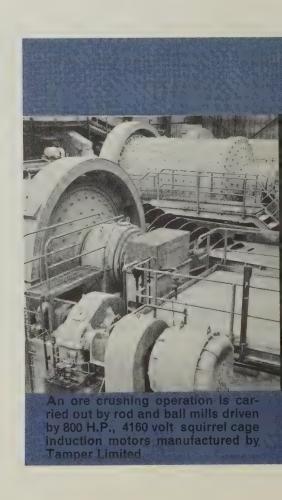
Presco Haydite lightweight masonry units are widely used to enhance the interiors of institutional, commercial and industrial buildings.

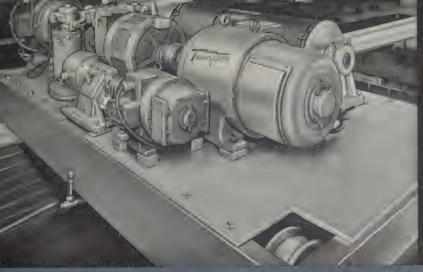


HORSEPOWER ON DEMAND, LESS THAN ONE OR 2,500

Tamper Limited, founded in 1934, has since become the nation's largest designer and producer of railway track maintenance machinery and one of its major manufacturers of rotating electrical equipment.

Fully integrated facilities are located in the company's modern factory and offices in Lachine, Que. A continuous program of research and development has resulted in extensive growth and diversification of Tamper's range of products. As well as serving virtually every type of industry in Canada, it also enjoys a substantial export market in its railway and special products divisions.





A 15-ton hot metal ladle crane trolley made by Canada Iron Foundries with two 25 H.P. motors to operate the hoist and a two H.P. motor to provide trolley travel, made by Tamper Limited.



These two 1.000 H.P. synchronous motors which are used to drive four large pumps at a chemical plant were made in the Lachine plant of Tamper Limited.



These ten Tamper squirrel cage induction motors were installed in a paper mill to drive the Morden Refiners.



An Electromatic Tamper, hydraulic functions of which are automatically and electrically controlled, designed and manufactured for railway track maintenance by Tamper Limited.



A Multi-Gang machine which tamps, jacks lines, removes ties, inserts ties, pulls spikes, bolts rails, drills rails and transports the working crew.



Combination power jack and tie tamping machine designed and manufactured by Tamper Limited and used for railroad track maintenance.





SALES AND SERVICE BACKED BY EXPERIENCE

In addition to manufacturing a wide range of industrial products, Canada Iron recognized the need for sales and service facilities for many quality products made in Canada and abroad. To meet this demand, the company in 1944 acquired Railway & Power Engineering Corporation, Limited which had been serving municipalities, transportation, mining and manufacturing industries since 1917.

Railway & Power, representing more than 150 Canadian, British and United States manufacturers, provides coast-to-coast service through its 14 sales offices and 8 warehouses for a wide range of industrial equipment and supplies.

Among the many lines sold by this company are: electric motor control apparatus; rail, bus, truck and aviation equipment and supplies; pumps; stainless steel products.

Complete technical engineering services are available at all locations.

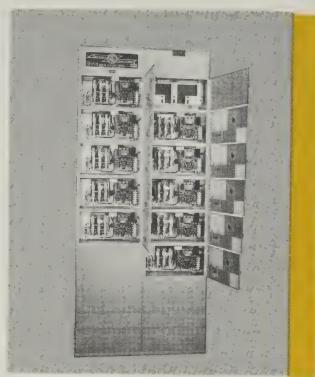
TRANSPORTATION EQUIPMENT AND SUPPLIES

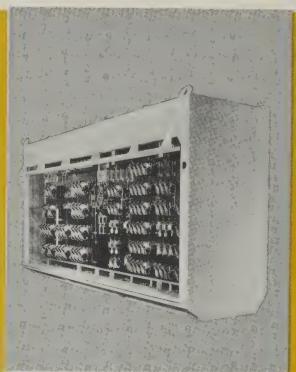
Washing and cleaning equipment for buses, trucks and railway cars.

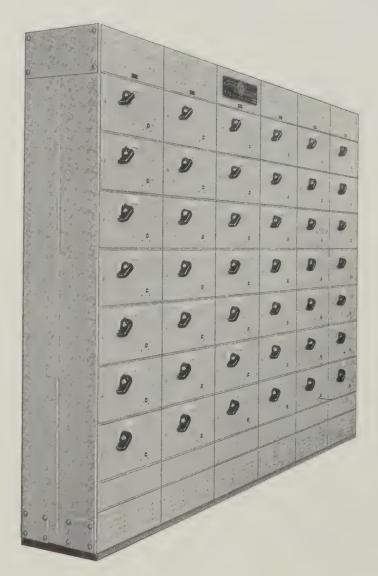
Luminator lighting fixtures, Heywood-Wakefield seats, Samuel Moore flooring, National pneumatic door and step control mechanisms, rigidized pattern metals.

Lear integrated aircraft flight equipment.









Shown here are three of the many types of electric motor control apparatus manufactured by Canadian Controllers Limited and sold by Railway & Power Engineering Corporation, Limited.

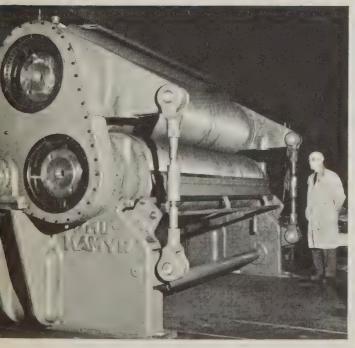


B.C. SUPPLIER

Vancouver Office and Warehouse.

To serve the increasingly important transportation, logging, mining and manufacturing industries on the west coast, Railway & Power Engineering in 1936 acquired C. M. Lovsted & Co. (Canada) Limited.

This western company serves as an agency and jobbing organization with office and warehouse in Vancouver. It serves both the B. C. and Alberta markets.



This H-800 Kamyr Press weighs 85,300 pounds. It was built by the machinery division of Canada Iron Foundries Limited for Paper Machinery Limited, exclusive licensee for Kamyr equipment in Canada.

PAPER MACHINERY

As the exclusive Canadian agent for the Kamyr line of pulp sheet forming, bleaching and continuous cooking equipment and as the eastern Canadian agent for Lundberg Ahlen pulp processing machinery, Paper Machinery Limited, a Canada Iron company, serves Canada's important pulp processing industry. Founded in 1927, this Montreal company offers a complete design and engineering service for its customers.

PAPER MILL EQUIPMENT

Paper Mill Equipment Limited is Canadian agent for Scandinavian and United States pulp and paper machinery manufacturers. A Canada Iron company, it was established in 1928 and sells barking drums, bark presses, alloy clad digesters, pulp screens, consistency regulators, pulp proportioning systems, and allied products.











BEHIND THE PRODUCTS AND SERVICES . . .

RESEARCH AND DEVELOPMENT

The maximum performance of a product with the lowest possible manufacturing cost is vital to current success of a well run business organization. Creation of new and better products is essential to future success. These ends are served by an effective policy of Research and Development which Canada Iron is applying vigorously. The parent Company has a well organized central R and D establishment and the subsidiary Companies smaller and expanding groups. This ensures that the Company will not only be an increasing factor in the industrial life of Canada, but will be of greater service and interest to its shareholders.

QUALITY CONTROL

At manufacturing level in every plant of the Company, a well integrated Quality Control Department acts as an inspection service on both purchased materials and finished products. It also provides process control to ensure that agreed standards and methods are used for lowest cost production consistent with high quality.

The Canada Iron Companies



CANADA IRON FOUNDRIES, LIMITED

HEAD OFFICE: 921 Sun Life Bldg., Montreal, P.Q.

PLANTS:

New Glasgow, N.S., Trois Rivières, P.Q., Toronto, Ont., Hamilton, Ont., St. Thomas, Ont., St. Boniface, Man.

SALES OFFICES:

100 d'Youville Square, Quebec City, P.Q. 921 Sun Life Bldg., Montreal, P.Q. 169 Eastern Ave., Toronto, Ont. 1010 Talbot St., St. Thomas, Ont. 145 West First Ave., Vancouver, B.C.



DOMINION STRUCTURAL STEEL LIMITED

HEAD OFFICE: 6894 Clanranald Ave., Montreal, P.Q.

PLANTS and WAREHOUSES:

Dartmouth N.S., Montreal, P.Q., Ottawa, Ont., Rexdale (Toronto), Ont., St. Boniface, Man.

SALES OFFICES:

Burnside, Dartmouth, N.S. 580 Grande Allée, Quebec City, P.Q. 6894 Clanranald Ave., Montreal, P.Q. Star Top Road, Ottawa, Ont. Disco Road, Rexdale (Toronto), Ont. 560 Messier St., St. Boniface, Man.



C. W. CARRY LTD.

HEAD OFFICE and PLANT: 10530 — 103rd Street, Edmonton, Alta.



CALGARY STRUCTURAL STEEL LTD.

HEAD OFFICE and PLANT: 223 — 53rd Avenue S. E., Calgary, Alta.



WESTERN BRIDGE AND STEEL FABRICATORS LIMITED

HEAD OFFICE and PLANT: 145 West First Ave., Vancouver, B.C.



PRESSURE PIPE LIMITED

HEAD OFFICE: 6905 Clanranald Ave., Montreal, P.Q.

PLANTS and SALES OFFICES:

6905 Clanranald Ave., Montreal, P.Q. 60 Vulcan St., Rexdale (Toronto), Ont.

SPAN THE COUNTRY

SUPPLYING ITS NEEDS THROUGH PLANTS, WAREHOUSES AND SALES OFFICES



TAMPER LIMITED

SALES OFFICES:

HEAD OFFICE and PLANT: 160 St. Joseph St., Lachine, Montreal, P.Q. 210 Archimedes St., New Glasgow, N.S. 25 Faukland Rd., Scarborough, Ont. 408 Hanna St. E., Windsor, Ont. 550 Roseberry St., St. James, Winnipeg, Man. 715 - 11th Ave. W., Calgary, Alta. 10820 - 119th St., Edmonton, Alta. 1726 West 5th Avenue, Vancouver, B.C.



RAILWAY & POWER ENGINEERING CORPORATION, LIMITED

HEAD OFFICE: **WAREHOUSES and SALES OFFICES:**

320 Dominion Square Building, Montreal, P.Q. 210 Archimedes St., New Glasgow, N.S. 3745 St. James St. W., Montreal, Que. 197 Eastern Ave., Toronto, Ont. 522 James St. N., Hamilton, Ont. 408 Hanna St. E., Windsor, Ont. 550 Roseberry St., St. James, Winnipeg, Man. 10334 - 108th St., Edmonton, Alta. 1726 West 5th Ave., Vancouver, B.C. 100 d'Youville Square, Quebec City, P.Q. 330 Clarence St., Ottawa, Ont. 116 Third St., Noranda, Que. P.O. Box 215, North Bay, Ont. 185 Hugill St., Sault Ste. Marie, Ont.

SALES OFFICES:



PAPER MACHINERY LIMITED PAPER MILL EQUIPMENT LIMITED



HEAD OFFICE: AGENT FOR BRITISH COLUMBIA and ALBERTA:

320 Dominion Square Bldg., Montreal, P.Q. Lundberg Ahlen Equipment Ltd. 779 West Broadway, Vancouver, B.C.

1228a - 9th Ave. S. E., Calgary, Alta.



C. M. LOVSTED & CO. (CANADA) LIMITED

ENGINEERING and SALES OFFICE:

HEAD OFFICE: 320 Dominion Square Bldg., Montreal, P.Q. 1726 West 5th Ave., Vancouver, B.C.

